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(FILE 'HOME' ENTERED AT 18:46:24 ON 18 NOV 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 18:46:49 ON 18 NOV  
2002

L1 125 S PER.C6  
L2 44 S ADENOVIR? (5A)B(5A)FIBER  
L3 2 S L1 AND L2  
L4 1 DUP REM L3 (1 DUPLICATE REMOVED)

=> d bib ab 14

L4 ANSWER 1 OF 1 MEDLINE DUPLICATE 1  
AN 2001163834 MEDLINE  
DN 21161183 PubMed ID: 11263771  
TI Infection efficiency of type 5 adenoviral vectors in synovial tissue can  
be enhanced with a type 16 fiber.  
AU Goossens P H; Havenga M J; Pieterman E; Lemckert A A; Breedveld F C; Bout  
A; Huizinga T W  
CS Leiden University Medical Center, The Netherlands.  
SO ARTHRITIS AND RHEUMATISM, (2001 Mar) 44 (3) 570-7.  
Journal code: 0370605. ISSN: 0004-3591.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200105  
ED Entered STN: 20010517  
Last Updated on STN: 20010517  
Entered Medline: 20010503  
AB OBJECTIVE: To obtain an adenoviral vector with increased infection  
efficiency in the synovial tissue compared with conventional vectors based  
on adenovirus serotype 5 (Ad5), without compromising the specificity of  
infection. METHODS: Coxsackie adenovirus receptor (CAR) expression was  
assessed in cultured synoviocytes. Chimeric adenoviruses based on Ad5 but  
carrying the DNA encoding the **fiber** of **adenovirus** from  
subgroup **B** (Ad11, 16, 35) or **D** (Ad24, 28, 33, 45, or 47) were  
constructed and produced on **PER.C6** cells. The gene  
transfer efficiency of these chimera was tested on cultured synoviocytes  
and peripheral blood mononuclear cells (PBMC). RESULTS: No surface  
expression of CAR protein was observed on synoviocytes. CAR messenger RNA  
expression of synoviocytes was found to be low. Of all fiber chimeric  
vectors tested, vectors carrying the fiber of Ad16 (Ad5.fib16) were most  
potent, yielding approximately 150 times increased transgene expression in  
cultured synoviocytes compared with those of Ad5. Flow cytometry showed  
that the increase in transgene expression was caused by the transduction  
of higher percentages of synoviocytes and higher gene expression per  
synoviocyte. Experiments with 500 virus particles/cell of Ad5.GFP or  
Ad5.fib16.GFP resulted in an infection efficiency of 0.6% and 1% in PBMC  
and 43% and 76% in synoviocytes, respectively. CONCLUSION: Synoviocytes  
hardly express CAR, which hampers Ad5-mediated gene transfer. Ad5.fib16 is  
superior to Ad5 vectors for transducing synoviocytes, without compromising  
the specificity of infection. Our data suggest that Ad5.fib16-mediated  
gene transfer to synovial tissue improves the therapeutic window.

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FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 18:54:08 ON 18 NOV  
2002

L1 125 S PER.C6  
L2 9417 S ADENVORIUS OR ADENOVIRAL(W) VECTOR  
L3 30 S L1 AND L2  
L4 23 DUP REM L3 (7 DUPLICATES REMOVED)

=> d au ti so 1-23 14

L4 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2002 ACS  
IN Havenga, Menzo; Vogels, Ronald; Bout, Abraham  
TI Adenoviral vector to deliver and express vaccine  
antigen on antigen presenting cells  
SO PCT Int. Appl., 50 pp.  
CODEN: PIXXD2

L4 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2002 ACS  
IN Emini, Emilio A.; Youil, Rima; Bett, Andrew J.; Chen, Ling; Kaslow, David  
C.; Shiver, John W.; Toner, Timothy J.; Casimiro, Daniel R.  
TI Adenovirus vectors expressing gag, pol, and nef fusion proteins for use as  
HIV-1 vaccine  
SO PCT Int. Appl., 257 pp.  
CODEN: PIXXD2

L4 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2002 ACS  
IN Lusky, Monika; Winter, Arend Jan  
TI Chimeric human adenoviral vector with bovine  
adenovirus encapsidation signal useful in gene therapy and immunotherapy  
SO U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 463,486.  
CODEN: USXXCO

L4 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2002 ACS  
IN Vogels, Ronald; Bout, Abraham; Van Es, Helmuth; Schouten, Govert  
TI Nucleic acid libraries in adenoviral-derived gene expression vectors and  
their use for high throughput screening and functional genomics  
SO U.S., 111 pp., Cont.-in-part of U.S. Ser. No. 97,239, abandoned.  
CODEN: USXXAM

L4 ANSWER 5 OF 23 MEDLINE DUPLICATE 1  
AU Murakami Pete; Pungor Erno; Files Jim; Do Linh; Van Rijnsoever Richard;  
Vogels Ronald; Bout Abraham; McCaman Michael  
TI A single short stretch of homology between adenoviral  
vector and packaging cell line can give rise to cytopathic  
effect-inducing, helper-dependent e1-positive particles.  
SO HUMAN GENE THERAPY, (2002 May 20) 13 (8) 909-20.  
Journal code: 9008950. ISSN: 1043-0342.

L4 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2002 ACS  
AU Nichols, W. W.; Lardenoije, R.; Ledwith, B. J.; Brouwer, K.; Manam, S.;  
Vogels, R.; Kaslow, D.; Zuidgeest, D.; Bett, A. J.; Chen, L.; van der  
Kaaden, M.; Galloway, S. M.; Hill, R. B.; Machotka, S. V.; Anderson, C.  
A.; Lewis, J.; Martinez, D.; Lebron, J.; Russo, C.; Valerio, D.; Bout, A.  
TI Propagation of adenoviral vectors: use of PER  
.C6 cells  
SO Adenoviral Vectors for Gene Therapy (2002), 129-166. Editor(s): Curiel,  
David T.; Douglas, Joanne T. Publisher: Academic Press, San Diego, Calif.  
CODEN: 69CWVW; ISBN: 0-12-199504-6

L4 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2002 ACS

- IN Van Eijs, Guillaume Johannes Jozef Marie; Hateboer, Guus; Havenga, Menzo Jans Emko
- TI Vascular and/or visceral contractile smooth muscle cell-specific promoter and uses thereof in gene therapy
- SO PCT Int. Appl., 60 pp.
- CODEN: PIXXD2
- L4 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2002 ACS
- IN Bout, Abraham; Valerio, Domenico; Schouten, Govert Johan; Fallaux, Frits Jacobus; Hoeben, Robert Cornelis; Van der Eb, Alex Jan
- TI E2A-complementing cells lines for **adenoviral vectors** used for nucleic acid transfer
- SO PCT Int. Appl., 61 pp.
- CODEN: PIXXD2
- L4 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2002 ACS
- IN Chen, Ling; Shiver, John; Bett, Andrew J.; Casimiro, Danilo Riguera; Caulfield, Michael J.; Chastain, Michael A.; Emini, Emilio A.
- TI Adenovirus vector containing human immunodeficiency virus (HIV) gene gag, and its use as a vaccine
- SO PCT Int. Appl., 46 pp.
- CODEN: PIXXD2
- L4 ANSWER 10 OF 23 MEDLINE DUPLICATE 2
- AU Goossens P H; Havenga M J; Pieterman E; Lemckert A A; Breedveld F C; Bout A; Huizinga T W
- TI Infection efficiency of type 5 **adenoviral vectors** in synovial tissue can be enhanced with a type 16 fiber.
- SO ARTHRITIS AND RHEUMATISM, (2001 Mar) 44 (3) 570-7.  
Journal code: 0370605. ISSN: 0004-3591.
- L4 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2002 ACS
- AU Hanff, C.; Fuhr, B.; Johnson, T.; Caple, M.
- TI Medium for gene therapy: improved protein-free media for growth and production of viral vectors for use in gene therapy
- SO Animal Cell Technology: From Target to Market, Proceedings of the ESACT Meeting, 17th, Tyloesand, Sweden, June 10-14, 2001 (2001), 548-552.  
Editor(s): Lindner-Olsson, Elisabeth; Chatzissavidou, Nathalie; Luellau, Elke. Publisher: Kluwer Academic Publishers, Dordrecht, Neth.  
CODEN: 69CRYK; ISBN: 1-4020-0264-5
- L4 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2002 ACS
- IN Havenga, Menzo Jans Emco; Bout, Abraham; Vogels, Ronald
- TI Chimeric **adenoviral vectors** specific for gene transfer to smooth muscle cells, and/or endothelial cells
- SO PCT Int. Appl., 91 pp.
- CODEN: PIXXD2
- L4 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2002 ACS
- IN Bout, Abraham; Vogels, Ronald; Havenga, Menzo Jans Emco
- TI Adenovirus derived gene delivery vehicles with limited antigenicity derived from adenovirus type 35
- SO Eur. Pat. Appl., 135 pp.
- CODEN: EPXXDW
- L4 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2002 ACS
- IN Schouten, Govert; Vogels, Ronald; Bout, Abraham; Van Es, Helmuth
- TI High-throughput screening of gene function using libraries constructed with recombinant **adenoviral vectors** for functional genomics applications
- SO PCT Int. Appl., 223 pp.
- CODEN: PIXXD2
- L4 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2002 ACS

- IN Noteborn, Mathieu Hubertus Maria; Pietersen, Alexandra; Hoeben, Robert Cornelis  
TI Gene delivery vehicles expressing the apoptosis-inducing proteins VP2 and/or apoptin from chicken anemia virus for treatment and diagnosis of cancer  
SO Eur. Pat. Appl., 20 pp.  
CODEN: EPXXDW
- L4 ANSWER 16 OF 23 MEDLINE DUPLICATE 3  
AU Fallaux F J; Bout A; van der Velde I; van den Wollenberg D J; Hehir K M; Keegan J; Auger C; Cramer S J; van Ormondt H; van der Eb A J; Valerio D; Hoeben R C  
TI New helper cells and matched early region 1-deleted adenovirus vectors prevent generation of replication-competent adenoviruses.  
SO HUMAN GENE THERAPY, (1998 Sep 1) 9 (13) 1909-17.  
Journal code: 9008950. ISSN: 1043-0342.
- L4 ANSWER 17 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AU Fallaux, F. J.; De Graaf, M.; Van Der Vliet, P. C.; Voest, E. E.  
TI Safe helper cell lines for the propagation of early-regions 1- and 4-deleted **adenoviral vectors**.  
SO Proceedings of the American Association for Cancer Research Annual Meeting, (March, 1998) Vol. 39, pp. 60-61.  
Meeting Info.: 89th Annual Meeting of the American Association for Cancer Research New Orleans, Louisiana, USA March 28-April 1, 1998 American Association for Cancer Research  
. ISSN: 0197-016X.
- L4 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2002 ACS  
AU Bout, A.; Brouwer, K.; Fallaux, F. J.; Hehir, K.; Auger, C.; Keegan, J.; Van Der Velde, I.; Boesen, J. J. B.; Van Ormondt, H.; Van Der Eb, A. J.; Valerio, D.; Hoeben, R. C.  
TI Production of RCA-free batches of E1-deleted recombinant **adenoviral vectors** on **PER.C6**  
SO Nucleic Acids Symposium Series (1998), 38(Advances in Gene Technology: Molecular Biology in the Conquest of Disease), 35-36  
CODEN: NACSD8; ISSN: 0261-3166
- L4 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2002 ACS  
IN Fallaux, Frits Jacobus; Hoeben, Robert Cornelis; Bout, Abraham; Valerio, Domenico; Van Der Eb, Alex Jan  
TI Packaging systems and recombinant human adenovirus vectors to be used in gene therapy  
SO PCT Int. Appl., 89 pp.  
CODEN: PIXXD2
- L4 ANSWER 20 OF 23 SCISEARCH COPYRIGHT 2002 ISI (R)  
AU Bout A (Reprint); Fallaux F J; Hehir K; Auger C; Keegan J; vanderVelde I; Boesen J J B; vanderEb A J; Hoeben R C; Valerio D  
TI **PER.C6**: A novel packaging cell line for RCA-free production of E1-deleted recombinant **adenoviral vectors**  
SO CANCER GENE THERAPY, (SEP-OCT 1997) Vol. 4, No. 5, pp. 324-324.  
Publisher: APPLETON & LANGE, 25 VAN ZANT ST, E NORWALK, CT 06855.  
ISSN: 0929-1903.
- L4 ANSWER 21 OF 23 SCISEARCH COPYRIGHT 2002 ISI (R)  
AU Boutl A (Reprint); Fallaux F J; Hehir K; Auger C; Keegan J; vanderVelde I; Boesen J J B; vanderEb A J; Hoeben R C; Valerio D  
TI A novel packaging cell line (**PER.C6**) for efficient production of RCA-free batches of E1-deleted recombinant **adenoviral vectors**  
SO CANCER GENE THERAPY, (NOV-DEC 1997) Vol. 4, No. 6, Supp. [S], pp. P73-P73.  
Publisher: APPLETON & LANGE, 25 VAN ZANT ST, E NORWALK, CT 06855.  
ISSN: 0929-1903.

- L4 ANSWER 22 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- AU Boutl, A. (1); Fallaux, F. J.; Hehir, K.; Auger, C.; Keegan, J.; Van Der Velde, I.; Boesen, J. J. B. (1); Van Der Eb, A. J.; Hoeben, R. C.; Valerio, D. (1)
- TI A novel packaging cell line (**PER.C6**) for efficient production of RCA-free batches of E1-deleted recombinant **adenoviral vectors**.
- SO Cancer Gene Therapy, (Nov.-Dec., 1997) Vol. 4, No. 6 CONF. SUPPL., pp. S32-S33.  
Meeting Info.: Sixth International Conference on Gene Therapy of Cancer San Diego, California, USA November 20-22, 1997  
ISSN: 0929-1903.
- L4 ANSWER 23 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- AU Bout, A. (1); Fallaux, F. J.; Van Der Velde, I. (1); Van Der Eb, A. J.; Hoeben, R. C.; Valerio, D. (1)
- TI Improved helper cells for RCA-free production of E1-deleted recombinant adenovirus vectors.
- SO Cancer Gene Therapy, (1996) Vol. 3, No. 6 CONF. SUPPL., pp. S24.  
Meeting Info.: Fifth International Conference on Gene Therapy of Cancer San Diego, California, USA November 14-16, 1996  
ISSN: 0929-1903.

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